

Abstract Submitted
for the DNP13 Meeting of
The American Physical Society

Efficiency Studies for the new Muon Telescope Detector at STAR

HANNAH CARSON, Cyclotron Institute Texas A&M University, STAR COLLABORATION — The Muon Telescope Detector (MTD) is a new detector subsystem in STAR at the Relativistic Heavy Ion Collider (RHIC). The MTD will contribute to studies of the matter being created in heavy-ion collisions by allowing measurements of the J/Psi meson and the different Upsilon states over a broad transverse momentum range via the reconstruction of their di-muon decays. Simulations to estimate the efficiency of the MTD for detecting muons were performed. The results of these simulations will be presented.

Hannah Carson
Cyclotron Institute Texas A&M University

Date submitted: 31 Jul 2013

Electronic form version 1.4